

CIS, a Member of TÜV Thüringen Group, is happy to assist all ASME Certificate holders and applicants in implementing the requirements of ASME Code Edition 2025.

We have prepared this example according to our view on Appendix 47 to the best of our knowledge and belief. We claim authorship, but we permit distribution free of charge. This text is not for sale.

The Text is an example. It is supposed to be used in your QC Manual, replacing the controls for Design Personnel and subcontracted design work.

Use it only after adopting to your **Titles, Organization, Manual structure, Exhibits and numeration. The Sample Forms must be used with this text, because they include important controls. The forms can be found online under**

www.cis-inspector.com

Consult your Authorized Inspector for acceptance of the revised Manual.

Designer

Design work shall be performed by Designers designated on a **Pressure Vessel Designers Form (Sample Form 06.04)** by the **Quality Manager** or the **CEO**.

The **DM** shall assure that only designated Designers, either directly employed, or by contract or agreement, are performing Design work. The **DM** shall be responsible to review the qualification records of the Designers to be designated. The **Pressure Vessel Designers Form (Sample Form 06.04)** shall be used

- to specify minimum requirements for qualification, and either experience or training,
- to document qualifications of designers,
- to document verification and acceptance by the **DM** for the Manufacturer
- to designate Designers by the **Quality Manager** or **CEO**.

All qualified and designated Designers shall be listed on the **List of Designated Designers (LDD), Sample Form 06.07**. The **DM** shall be responsible to maintain the LDD with the name of all Designers, the date of initial designation and the documentation of the triennial evaluation.

Whenever the required design qualifications of the Manufacturer's products are modified, but at least every three years, the **DM** shall evaluate the qualifications of the Designers. The **DM** can determine by interview, training, examination, or review of work that the qualifications can be maintained. When found satisfactory, the **DM** shall document the evaluation and extend the designation on the **List of Designated Designers (LDD), Sample Form 06.07**.

Changes and Records

When the designation of a Designer is terminated or the designer changes employment, the List of Designated Designers (LDD) shall be updated accordingly by the **DM**.

All terminated Pressure Vessel Designer Forms and documented evidence of qualifications shall be retained until the Data Reports of all items they have designed are signed.

OPTIONAL Design of Parts performed by ASME Certificate Holders

When the design of a Pressure Vessel Part is performed by a company holding an ASME Certificate (U or PRT) and the design responsibility is documented and certified on the Manufacturer's Partial Data Report, the qualifications of the designer is the Part Manufacturer's responsibility. In this case, the **Design Manager** shall be responsible for review and verification that the design complies with the User's Design Requirements of the order.

This shall be documented by signing and dating the cover sheet of the design calculation, or on the ITP before final inspection and stamping of the Pressure Vessel with the Certification Mark.

OPTIONAL Design Work performed by Others

Design calculations received from customers or subcontracted to individuals or to other companies shall be reviewed and approved by the **Design Manager (DM)** as the designated person exercising control of design work performed by others, before the start of fabrication.

Review shall be performed in accordance with the **Checklist for Control of Design Work Prepared by Others (Sample Form 06.06)**, which includes the main controls and the method of acceptance.

The **DM** shall document acceptance and approval of the design on the Checklist by signing and dating.

When documents are revised, or design related NCRs are raised during fabrication, inspection or testing of the item, the review and approval shall be reconciled before the Manufacturer's Data Report is signed by **the Manufacturer** and AI.

The "as-built" condition of the drawing, part list and design calculations shall comply with the fabricated item and the User's Design Specification or UDR-1 Form, as applicable.